There are three types of **energy transfer**:

1. **Radiation**

* Energy is transferred by **waves**.
* Heat radiation is called infrared radiation (IR).
* It can be absorbed or reflected.
* IR can cross empty space.
* An example is infrared radiation from the **Sun**.

1. **Conduction**

* Energy is transferred by **touch** (particles touch).
* Metals are good conductors of heat energy.
* Insulation is a heat insulator (does not conduct heat energy well).
* An example is a **frying pan**.

1. **Convection**

* Energy is transferred by moving fluids called **currents**..
* Gases & liquids are fluids.
* Heat energy is moved from one place to the next.
* An example is a **convection oven**.

There are \_\_\_\_\_\_\_\_\_\_ types of **energy \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**:

1. **Radiation**

* Energy is transferred by **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
* Heat radiation is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (IR).
* It can be absorbed or reflected.
* IR can cross \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* An example is infrared radiation from the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.

1. **Conduction**

* Energy is transferred by **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (particles touch).
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are good conductors of heat energy.
* Insulation is a heat \_\_\_\_\_\_\_\_ (does not conduct heat energy well).
* An example is a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.

1. **Convection**

* Energy is transferred by moving fluids called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are fluids.
* Heat energy is moved from one place to the next.
* An example is a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.